

State Agricultural Summaries

These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 4.4. Topsoil 0% very short, 1% short, 72% adequate, 27% surplus. Corn 90% silked, 88% 2003, 86% avg.; 45% dough, 57% 2003, 38% avg.; 23% dented, 26% 2003, 20% avg.; 4% mature, 7% 2003, 8% avg.; condition 0% very poor, 1% poor, 9% fair, 56% good, 34% excellent. Soybeans 99% planted, 93% 2003, 98% avg.; 95% emerged, 87% 2003, 94% avg.; 20% blooming, 14% avg.; 5% setting pods, 3% avg.; condition 0% very poor, 2% poor, 7% fair, 71% good, 20% excellent. Pasture feed 0% very poor, 3% poor, 15% fair, 53% good, 29% excellent. Livestock condition 0% very poor, 4% poor, 17% fair, 45% good, 34% excellent.

ALASKA: Days suitable for fieldwork 5.0. Topsoil 65% short, 35% adequate. Subsoil 30% short, 70% adequate. Barley 80% headed, 20% dough, condition 45% good, 55% excellent. Temperatures remained above normal across most of the State. Rain fell in the Tanana Valley but Mat-Su, the Kenai saw almost no precipitation. Conditions remain dry across the State. The Oat 20% booting, 80% headed, condition 25% fair, 60% good, 15% excellent. Potatoes 25% bloom, 25% slow, 45% moderate, 30% rapid. The initial hay harvest is nearing completion with 95% of the first cutting reported as harvested. Condition of the hay crop was listed as 10% poor, 15% fair, 45% good, 30% excellent. Activities: Harvesting hay, vegetables, weed control, fertilizing, irrigation activities and fence repair.

ARIZONA: Temperatures for the State were below average for the second week of July. Small grain harvesting remained active, but in final stages. Alfalfa condition remains mostly good to excellent. Cotton squaring is virtually complete, while setting bolls are fifty percent complete. Precipitation was reported at 3 of the 17 reporting stations. Precipitation ranged from 0.04 inches in Safford to 0.24 inches in Winslow.

ARKANSAS: Days suitable for fieldwork 4. Soil 0% very short, 8% short, 64% adequate, 28% surplus. Corn 98% Silked, 97% 2003, 74% 5-yr avg.; 37% doughed, 35% 2003, 14% 5-yr avg.; condition 0% very poor, 1% poor, 20% fair, 58% good, 21% excellent. Soybeans 99% planted, 98% 2003, 99% 5-yr avg.; 96% emerged, 95% 2003, 95% 5-yr avg.; 52% bloomed, 30% 2003, 27% 5-yr avg.; 16% setting pods, 7% 2003, 8% 5-year avg.; condition 2% very poor, 7% poor, 28% fair, 46% good, 17% excellent. Sorghum 98% emerged, 100% 2003, 100% 5-yr avg.; 78% headed, 72% 2003, 58% 5-yr avg.; 2% colored, 7% 2003, 6% 5-yr avg.; condition 0% very poor, 4% poor, 33% fair, 51% good, 12% excellent. Cotton 99% Squared, 90% 2003, 97% 5-yr avg.; 55% bolls set, 34% 2003, 41% 5-yr avg.; condition 1% very poor, 6% poor, 30% fair, 45% good, 18% excellent. Rice 2% headed, 4% 2003, 6% 5-yr avg.; condition 1% very poor, 3% poor, 25% fair, 52% good, 19% excellent. Wheat 99% harvested, 99% 2003, 99% 5-yr avg.; condition 1% very poor, 5% poor, 32% fair, 49% good, 13% excellent. Hay-Other condition 1% very poor, 4% poor, 22% fair, 59% good, 14% excellent. Hay-Alfalfa condition 2% very poor, 5% poor, 31% fair, 62% good, 0% excellent. Pasture, Range feed 0% very poor, 1% poor, 17% fair, 64% good, 18% excellent. Rains have slowed down, allowed for more agricultural activity. Corn, soybean, cotton development continue to remain ahead of the 5 year average. In drier counties, corn, soybeans are being irrigated. Producers are trying to finish planting soybeans; however, some soybeans are being effected by frogeye, stinkbugs. Cotton is being sprayed for aphids, plant bugs, a few producers have seen wilt on cotton. Nitrogen, fungicide are being applied to rice. Sheath blight, blast has been found in some rice fields. Wheat harvest is nearing completion. LIVESTOCK: Livestock are in good condition. Drier weather has allowed producers to cut hay fields and try to make up for lost time.

CALIFORNIA: Wheat harvesting was completed in most parts of the State. Harvesting of oat grain, rye was winding down. Straw from harvested grain fields was baled, stacked. Cotton fields were in full bloom, bolls were evident in many areas. Fields were treated with insecticides as needed. The rice crop was making good progress, though growth was slowed in some areas due to cool morning temperatures. Fields continued to be treated for weeds. Corn was harvested for silage in some areas. Harvesting of Bermuda grass seed continued. Sudan grass, alfalfa fields in Central State were exhibiting rapid growth. Alfalfa was harvested for hay, silage, greenchop. Fields were sprayed for worms. Sugar beet harvesting was underway in some fields in Fresno County. Other fields were showing strong growth under ideal conditions. Blooms were noted in sunflower, safflower fields. Potato harvesting continued in the southern San Joaquin Valley. Picking crews in table grape vineyards were busy as many varieties reached maturity. Among the varieties harvested were Flame Seedless, Thompson Seedless, Black Emerald. Quality and size were reported as good. Irrigation, cane

cutting, cultivation were ongoing in table, wine, and raisin grape vineyards. Fungicide applications were noted in a few grape vineyards, but warmer temperatures and grape maturity reduced the need for preventive measures in most areas. Treatments to combat mealybug infestations were noted in a number of vineyards. Picking, packing continued in many of the State's stone fruit orchards. Sugar Giant, Summer Zee peaches, Grand Pearl, Bright Pearl nectarines, Fortune and Friar plums, Dapple Dandy pluots were among the varieties picked, packed. Prunes in the Sacramento Valley began showing color but were splitting. Summer pruning, thinning, cultivation, irrigation, a few insect control treatments were noted in tree fruit orchards. Apples, persimmons, pomegranates were maturing steadily, gaining size. Figs were harvested in the San Joaquin Valley. Blackberries, blueberries, strawberries, boysenberries continued to be picked. Valencia oranges were picked in several orchards in the Sanger district. Some problems with puff, re-greening were noted. The new crop of Navel oranges was developing normally. Field activities in citrus groves included irrigation, fungicide treatments, treatments to control red scale. Spraying of olive groves for olive fruit fly was underway. Most of the olive crop appeared light, spotty. Irrigation was underway in most nut orchards. Almond hull split continued. Herbicide treatments, cultivation, leveling were noted in a few areas as almond growers began preparing orchard floors for the upcoming harvest. Walnuts, pistachios continued to develop well. The pistachio crop is expected to be large this season. Walnut orchards were sprayed for codling moth, husk fly, weevils. Vegetable crop development continued to benefit from warm dry weather. Melon planting was completed in Merced County. Planting of fresh market tomatoes continued. Some tomato farmers sprayed for worms, mildew, blight. Irrigation, cultivation, fertilization continued. Fields of tomatoes were maturing rapidly, and processing tomato harvesting was well underway throughout the Central Valley. Cucumber harvesting was nearing completion. Harvesting of fresh market tomatoes, sweet corn, eggplant, onions, peppers, melons, squash continued. Garlic, specialty lettuce were harvested in Kern County. The following vegetables were also harvested: bitter melon, bok choy, carrots, donqua, kabocha, long beans, malabar spinach, menthi, mustard greens, okra, ong choy, parsley, saluyot, sinqua, spinach, Swiss chard, various herbs. Pastures, rangeland continued to dry out. Forage availability was limited in many areas. Supplemental feeding of livestock continued. Some cattle in the Central Valley were being moved onto mountain pastures. Sheep continued to be moved to areas with accessible forage. Some flocks were grazing on stubble in harvested grain fields. Generally mild weather conditions benefitted milk production, overall livestock condition. Bees were active in seed alfalfa, melon, safflower, and vineseed fields.

COLORADO: Days suitable for fieldwork 6.5. Top soil 4% very short, 37% short, 57% adequate 2% surplus. Subsoil 27% very short, 42% short, 30% adequate, 1% surplus. Most of the state experienced warmer temperatures, less rainfall this week. These conditions were beneficial to crop development as well as progress in the winter wheat harvest. Spring wheat 90% headed, 96% 2003, 91% avg.; 38% turning color, 23% 2003, 34% avg.; condition 2% poor, 33% fair, 55% good, 10% excellent. Spring barley 98% headed, 100% 2003, 99% avg.; 37% turning color, 40% 2003, 41% avg.; condition 2% poor, 24% fair, 53% good, 21% excellent. Sunflower 98% planted, 99% 2003, 100% avg.; condition 2% poor, 21% fair, 48% good 29% excellent. Alfalfa hay 1st cutting 95%, 99% 2003, 98% avg.; 2nd cutting 15%, 16% 2003, 22% avg.; condition 1% very poor, 5% poor, 33% fair, 47% good, 14% excellent. Dry beans 100% emerged, 98% 2003, 99% avg.; 3% flowering, 10% 2003, 16% avg.; condition 1% very poor, 1% poor, 13% fair, 62% good, 23% excellent. Dry onions condition 4% poor, 16% fair, 64% good, 16% excellent. Summer potatoes condition 2% poor, 14% fair, 52% good, 32% excellent. Fall potatoes 100% emerged, 100% 2003, 100% avg.; condition 3% poor, 35% fair, 49% good, 13% excellent. Sugar beets condition 2% poor, 10% fair, 60% good, 28% excellent.

DELAWARE: Days suitable for fieldwork 6.0. Topsoil 14% very short, 58% short, 28% adequate. Subsoil 12% very short, 45% short, 43% adequate. Field corn condition 4% very poor, 20% poor, 36% fair, 27% good, 13% excellent; 90% silked, 12% 2003, 29% avg.; 9% dough, 5% avg. Soybean condition 6% poor, 37% fair, 45% good, 12% excellent; 96% planted, 76% 2003, 87% avg.; 6% blooming, 6% avg. Sorghum condition 10% fair, 90% good; 6% headed, 4% avg. Pasture feed 3% very poor, 9% poor, 43% fair, 42% good, 3% excellent. Other hay 2nd cutting 75%, 38% 2003, 60% avg. Alfalfa hay 2nd cutting 81%, 42% 2003, 77% avg. Apple condition 2% poor, 13% fair, 68% good, 17% excellent. Peach condition 2% poor, 12% fair, 53% good, 33% excellent. Peaches 15% harvested, 9% 2003, 11% avg. Watermelons 13% harvested, 4% 2003, 5% avg. Cucumbers 13% harvested, 6% 2003, 18% avg. Lima Beans (processed) 6% harvested, 3%

avg. Snap beans 34% harvested, 20% 2003, 20% avg. Sweet Corn 10% harvested, 8% 2003, 11% avg. Potatoes 10% harvested, 3% 2003, 12% avg. Tomatoes 5% harvested, 3% avg. Cantaloups 7% harvested, 0% 2003, 3% avg. Hay supplies 4% short, 88% adequate, 8% surplus. The State's farmers experienced hot, humid conditions last week. Rain showers were sporadic spreading relief to some areas, but not others. Corn, soybeans are showing signs of stress due to lack of water. Corn development is well ahead of normal with 90% silked, 29% 5-yr avg. Harvest is on its way for watermelons, cantaloups, potatoes, snap beans, lima beans, cucumbers. Barley harvest is complete, wheat harvest should finish up this week. Peaches are being harvested, the condition of the crop is good. Farmers are finishing up their second cutting of alfalfa and other hay.

FLORIDA: Topsoil 5% very short, 15% short, 70% adequate, 10% surplus. Subsoil 5% very short, 25% short, 65% adequate, 5% surplus. Temperature average: 0 to 2° above normal. Daytime highs: 90s. Nighttime lows: 60,70s. Rainfall range: 0.00 in., Tampa, Marianna, to more than 4.00 in. Daytona Beach, Tallahassee. Peanuts 80% pegged, 79% 2003, 70% 5-yr avg.; condition 1% poor; 24% fair, 45% good, 30% excellent. Scattered rains leaving some areas dry, especially Panhandle, Big Bend area, some inland localities in central, southern Peninsula. Drier conditions, Jackson County, allowed field work to make good progress. Excessive rains, Washington, Gadsden counties, lowering cut hay quality; harvesting delayed. Rainfall advancing hay growth; abundant amounts available, some areas. Peanut condition improved slightly. Soil moisture supplies declined slightly due to lack of rain, scattered localities. A few spots in Panhandle reported surplus soil moisture; some localities along southeastern Peninsula coast reported very short soil moisture. Producers marketing light supplies of sweet corn, watermelons, tomatoes. Okra harvesting active, Dade County. Potato digging virtually done, Hastings. Hot, humid weather pattern continues citrus areas with arrival of thunderstorms on most days, widely scattered rainfall, most areas received some rain, harvest complete on all varieties. Pasture feed 5% poor, 20% fair, 65% good, 10% excellent. Cattle condition 20% fair, 70% good, 10% excellent. Panhandle, north: pasture growing well as soil moisture, temperature very good. Central: pasture feed good, more rain needed. South: pasture feed very poor to fair, pasture suffering from drought. Statewide: cattle condition fair to excellent, most in good condition.

GEORGIA: Days suitable for field work 5.5. Soil 1% very short, 12% short, 64% adequate, 13% surplus. Corn 40% dent, 30% 2003, 47% avg.; 2% mature, 6% 2003, 12% avg. Hay 1% very poor, 7% poor, 30% fair, 55% good, 7% excellent. Peanuts 91% blooming, 87% 2003, 90% avg. Sorghum 2% poor, 29% fair, 63% good, 6% excellent; 95% planted, 96% 2003, 96% avg. Tobacco 5% very poor, 20% poor, 42% fair, 30% good, 3% excellent; 13% harvested, 18% 2003, 17% avg. Watermelons 85% harvested, 77% 2003, 79% avg. Apples 3% poor, 9% fair, 75% good, 13% excellent. Peaches 65% harvested, 58% 2003, 68% avg. Pecans 7% very poor, 17% poor, 39% fair, 35% good, 2% excellent. Heat, humidity were high last week. The heat helped cure hay, dry fields. Widely scattered showers fell across parts of the State. Rain is still needed in some areas to replenish ponds, streams. High humidity made curing hay difficult. Peanuts continued to yellow from excess water. Disease still plagued tobacco fields, Black Shank appeared, Tomato Spotted Wilt Virus persisted. Hay harvest is in full swing across the State. Hay producers looking forward to multiple cuttings. Growers applied fungicides, herbicides, insecticides to fields. Sucker control was applied to tobacco fields. Crop conditions have been improving with the increased rains. Activities: Routine care of livestock and poultry.

HAWAII: DATA NOT AVAILABLE

IDAHO: Days suitable for fieldwork 6.9. Topsoil 5% very short, 33% short, 62% adequate. Winter wheat harvest has begun in the northern, southwestern parts of the state. Winter wheat condition 3% poor, 8% fair, 74% good, 15% excellent; 99% headed, 99% 2003, 99% avg.; 54% turning color, 52% 2003, 44% avg.; 1% harvested, 1% 2003. Spring wheat 97% boot stage; 17% turning color, 7% 2003, 13% avg. Barley 96% boot stage; 27% turning color, 15% 2003, 17% avg. Potato condition 1% poor, 6% fair, 82% good, 11% excellent. Potatoes 12" High 93%, 96% 2003, 86% avg.; 55% closing middles, 76% 2003, 52% avg. Cherries 89% harvested, 79% 2003, 75% avg. Mint Harvested-1st Cutting 0%, 4% 2003, 3% avg. Alfalfa Hay 1st Cutting Harvested 93%, 97% 2003, 95% avg.; 2nd Cutting Harvested 30%, 32% 2003, 30% avg. Irrigation Water Supply 2% very poor, 25% poor, 38% fair, and 35% good. Activities: Feeding, caring for livestock, preparing equipment for grain harvest, and cutting alfalfa hay.

ILLINOIS: Days suitable for fieldwork 4.1. Topsoil 5% short, 81% adequate, 14% surplus. Oats 98% filled, 81% 2003, 92% avg.; 83% turning yellow, 52% 2003, 69% avg.; 35% ripe, 23% 2003, 26% avg.; 15% harvested, 5% 2003, 10% avg. Alfalfa 2nd cut 67%, 59% 2003, 63% avg.; 6% 3rd cut, 4% 2003, 5% avg.; 2% poor, 16% fair, 65% good, 17% excellent; Red clover 97% cut, 94% 2003, 92% avg. Below normal temperatures, above normal precipitation occurred across the state last week. Some crops in low-lying areas are showing stress from too much

ground moisture. Activities: Finishing-up late post-emergence herbicide applications, mowing roadsides and ditches.

INDIANA: Days suitable for fieldwork 5.4. Topsoil 1% very short, 16% short, 75% adequate, 8% surplus. Subsoil 13% short, 80% adequate, 7% surplus. Favorable growing conditions prevailed during most of the week. Winter wheat harvest winding up in the central, southern regions of the state. Excellent week for field activities. Favorable weather for spraying, baling of hay, straw. Planting double crop soybeans in many fields. Harvesting wheat, baling hay, spraying herbicides were major activities. Temperatures averaged 3° below to 3° above normal for the week. Precipitation averaged 0.20 to 3.76 inches. Rain was spotty in many areas. Irrigation systems were active. Many early planted corn fields entering into the pollination stage. Soybean plants improving, setting pods in some fields. Second cutting alfalfa hay 45% complete, 29% 2003, 51% avg. Pastures 1% very poor, 4% poor, 19% fair, 63% good, 13% excellent. Livestock are in mostly good condition. Activities: Cleaning up, repairing equipment, attending FSA offices, hauling grain to market, attending county fairs, scouting fields, mowing lots, roadsides, hauling manure and taking care of livestock.

IOWA: Days suitable for fieldwork 3.4. Topsoil 4% short, 71% adequate, 25% surplus. Subsoil 5% short, 74% adequate, 21% surplus. Agricultural Summary: State experienced another rainy week. However, the amount received varied. Operators continue to cite the need for more heat units. Farmers were spraying beans, harvesting alfalfa when they were able to enter the fields. Making hay remains a challenge due to wet conditions. Field Crops Report: Corn 19% tasseling, 9% silk, condition 2% very poor, 5% poor, 17% fair, 53% good, 23% excellent. Soybean acreage 46% blooming, condition 2% very poor, 5% poor, 19% fair, 55% good, 19% excellent. Oat acreage 69% turning color, 46% the previous week, condition 4% poor, 18% fair, 61% good, 17% excellent. Alfalfa 2nd cutting 32% complete, 19% previous week. Hay condition 1% very poor, 4% poor, 18% fair, 54% good, 23% excellent. Livestock, Pasture, Range Report: Overall, livestock conditions were good. Pasture, range feed 2% poor, 16% fair, 54% good, 28% excellent.

KANSAS: Days suitable for fieldwork 3.3. Topsoil 6% short, 73% adequate, 21% surplus. Subsoil 11% very short, 27% short, 55% adequate, 7% surplus. Widespread showers have improved soil moisture conditions Statewide. Wheat harvest almost completed. However, due to recent rains wheat sprouting has occurred in the northern third of the State. Sorghum 95% emerged, 97% 2003, 98% avg. Sunflowers 83% emerged, 95% 2003, 93% avg. Alfalfa 2nd cutting 79%, 85% 2003, 89% avg. Range, pasture feed 10% very poor, 20% poor, 29% fair, 33% good, 8% excellent. Feed grain supplies are 3% very short, 14% short, 80% adequate, 3% surplus. Hay, forage supplies 2% very short, 12% short, 78% adequate, 8% surplus. Stock water supplies 2% very short, 16% short, 74% adequate, 8% surplus.

KENTUCKY: Days suitable for fieldwork 4.5. Topsoil 2% very short, 13% short, 71% adequate, 14% surplus. Subsoil 15% short, 77% adequate, 8% surplus. Most of the State experienced strong storms early in the week with widespread reports of heavy rains, high winds. The majority of field work included finishing the wheat harvest, planting double crop soybeans, baling hay, spraying crops. Corn, soybeans generally look good across the State. Tobacco height 25% under 24 in., 41% between 24-36 in., 34% above 36 in. Condition of set tobacco 4% very poor, 12% poor, 28% fair, 45% good, 11% excellent. Black shank, blue mold have been reported in more than 40 counties. Winter wheat harvest nearly complete at 98%, 97% 2003, 98% avg. Hay crop conditions 2% very poor, 7% poor, 24% fair, 51% good, 16% excellent. Pasture feeds 4% poor, 19% fair, 55% good, 22% excellent.

LOUISIANA: Days suitable for fieldwork 2.4. Soil 32% adequate, 68% surplus. Corn 1% very poor, 9% poor, 39% fair, 45% good, 6% excellent; 100% silked, 99% last week, 100% 2003, 100% avg.; 81% dough stage, 64% last week, 75% 2003, 86% avg.; 8% mature, 3% last week, 9% 2003, 21% avg. Hay 1st cutting 75%, 74% last week, 97% 2003, 98% avg.; 2nd cutting 4%, 0% last week, 23% 2003, 24% avg. Peaches 69% harvested, 49% last week, 68% 2003, 73% avg. Rice 3% ripe, 0% last week, 1% 2003, 6% avg. Soybeans 98% planted, 98% last week, 99% 2003, 99% avg.; 97% emerged, 95% last week, 92% 2003, 98% avg. Sugarcane 9% poor, 22% fair, 39% good, 30% excellent. Sweet potatoes 85% planted, 74% last week, 94% 2003, 98% avg. Livestock 3% poor, 27% fair, 61% good, 9% excellent. Vegetable 6% very poor, 25% poor, 47% fair, 22% good.

MARYLAND: Days suitable for fieldwork 6.0. Topsoil 10% very short, 30% short, 57% adequate, 3% surplus. Subsoil 5% very short, 29% short, 63% adequate, 3% surplus. Field corn condition 3% very poor, 6% poor, 16% fair, 39% good, 36% excellent; 67% silked, 13% 2003, 30% avg.; 5% dough, 3% avg. Soybean condition 3% very poor, 10% poor, 15% fair, 58% good, 14% excellent; 97% planted, 71% 2003, 88% avg.; 17% blooming, 8% avg. Sorghum condition 19% poor, 19% fair, 62% good; 20% headed, 2% avg. Pasture feed 5% very poor, 5% poor, 22% fair, 46% good, 22% excellent. Tobacco condition 2% poor, 7% fair,

52% good, 39% excellent; 19% bloomed, 1% 2003, 12% avg. Other hay 2nd cutting 58%, 31% 2003, d 44% avg.; 2nd cutting 67%, 47% 2003, 73% avg. Apple condition 10% fair, 57% good, 33% excellent. Peach condition 12% fair, 59% good, 29% excellent. Peaches harvested 6%, 3% 2003, 11% avg. Watermelons 6% harvested, 1% 2003, 5% avg. Cucumbers 25% harvested, 14% 2003, 34% avg. Lima Beans 18% for processing harvested, 7% avg. Snap beans 35% harvested, 12% 2003, 28% avg. Sweet corn 20% harvested, 9% 2003, 18% avg. Potatoes 14% harvested, 3% 2003, 25% avg. Tomatoes 18% harvested, 4% 2003, d 11% avg. Cantaloups 14 harvested, 5% 2003, 11% avg. Hay supplies 6% very short, 19% short, 69% adequate, 6% surplus. State farmers experienced hot weather conditions along with isolated showers. Rain over the past few weeks has been sporadic leaving parts of Maryland dry. Corn, soybeans are showing signs of stress from lack of water. Harvest of major vegetables has increased. Barley harvest is complete and wheat harvest should finish up in the next two weeks. Peach harvest has begun with 6% harvested, the crop in good condition. Other hay 2nd cutting 58% complete, 31% 2003, 44% 5-yr avg.

MICHIGAN: Days suitable for fieldwork 5. Subsoil 0% very short, 7% short, 83% adequate, 10% surplus. Corn height 30 inches, 32 inches 2003, 37 inches avg. Winter wheat 3% very poor, 7% poor, 34% fair, 48% good, 8% excellent; 94% turning, 86% 2003, 96% avg. Barley 1% very poor, 11% poor, 39% fair, 46% good, 3% excellent. Oats 3% very poor, 10% poor, 45% fair, 36% good, 6% excellent; 91% headed, 82% 2003, 92% avg.; 15% turning, 10% 2003, 34% avg. All hay 1% very poor, 9% poor, 35% fair, 43% good, 12% excellent; 1st cutting 89%, 95% 2003, 92% avg.; 2nd cutting 13%, 22% 2003, 26% avg. Dry beans 97% emerged, 99% 2003, 98% avg. Blueberries 1% harvested, 6% 2003. Tart cherries 28% harvested, 32% 2003. Conditions varied widely across State. Growers Upper Peninsula, northern Lower Peninsula reported cool, cloudy weather for most of week, while localized heavy precipitation slowed down operators areas of southern Lower Peninsula. In other areas of southern part of State, soils dried out to point that a good rain was needed. Precipitation amounts ranged from 0.07 inches west central Lower Peninsula to 1.32 inches south central Lower Peninsula. Temperatures ranged from 7° below normal western Upper Peninsula to normal southeast Lower Peninsula. Cool temperatures, limited sunshine across State slowed crop development during week. Scattered rain showers hindered fieldwork. Limited haying completed due to poor weather. Growers north attempted to wrap up their first cutting, while farmers south began harvesting their second crop. Operators continued to report uneven stands in corn crop. Cool temperatures contributed to problem. Some stands still yellowish, stunted due to excess moisture, limited heat. Growers commented that soybeans needed some sunshine, heat to move it along. Most of wheat crop near harvest. Farmers several districts began combining over week, weather permitting. There still much concern about disease levels in crop. Dry beans continued to advance, nearly all of crop emerged. Operators wrapped up their last cultivation sugarbeets. Apples showed good development southwest, but insect activity increasing. Frequent rainfall kept insect populations low throughout spring. In southeast, apples sizing well. Apple maggot appeared, rust mite observed. Fruit development southeast generally 5 to 8 days ahead of normal. Tart cherry harvest winding down southwest. Sweet cherry harvest continued. Brown rot a problem both species, also observed on cherries Ridge area. Blueberry harvest well underway southwest, appearance of anthracnose, Shoestring virus a concern. In southeast, harvest began on well-sized blueberries. Southwest grown grapes past berry touch. Raspberry harvest continued. In southeast, pear crop sizing up light. Peaches looking good. egetable crops continued to make progress in spite of cooler weather over week. Farmers continued to plant snap beans west central. Harvest of earliest plantings continued southwest. Potato growers central district reported finding some late blight in crop. Sweet corn harvest picked up southeast. Harvest expected to begin soon southwest. Early planted fresh market tomatoes being picked southeast. Across State, rest of tomato crop continued to flower, set fruit. Cabbage harvest full swing southeast, harvest of first plantings nearly complete. Peppers setting fruit southwest, near bloom southeast. Growers continued to scout carrot acreage for Cercospora. Zucchini harvest continued southwest. Growers reported wilting of select varieties of squash. Other varieties looked good.

MINNESOTA: Days suitable for fieldwork 3.4. Topsoil 0% very short, 6% short, 77% adequate, 17% surplus. Spring Wheat 96% jointed, 99% 2003, 97% avg.; 7% turning ripe, 12% 2003, 11% avg. Barley 90% jointed, 99% 2003, 98% avg.; 5% turning ripe, 17% 2003, 13% avg. Oats 94% jointed, 99% 2003, 98% avg.; 17% turning ripe, 19% 2003, 24% avg. Corn 39 in. height, 53 in. 2003, 49 in. avg. Soybeans 11 in. height, 15 in. 2003, 14 in. avg. Alfalfa 95% 1st cutting, 98% 2003, 97% avg. Pasture feed 1% very poor, 4% poor, 25% fair, 61% good, 9% excellent. Sugarbeets 0% very poor, 3% poor, 31% fair, 58% good, 8% excellent. Dry Beans 1% very poor, 8% poor, 50% fair, 39% good, 2% excellent. Canola 0% very poor, 30% poor, 50% fair, 20% good, 0% excellent. Potatoes 0% very poor, 4% poor, 29% fair, 44% good, 23% excellent. Sunflowers 0% very poor, 8% poor, 53% fair, 37% good, 2% excellent. Warmer weather, drier skies are needed to advance crop growth. Although crop conditions are slowly improving, low temperatures, above average precipitation continue to slow crop progress across the state. Growing degree days lag behind normal statewide.

MISSISSIPPI: Days suitable for fieldwork 3.7. Soil 51% adequate, 49% surplus. Corn 99% silked, 96% 2003, 96% avg.; 74% dough, 72% 2003, 75% avg.; 35% dent, 27% 2003, 35% avg.; 20% silage harvested, 16% 2003, 10% avg.; 1% very poor, 5% poor, 17% fair, 50% good, 27% excellent. Cotton 89% squaring, 83% 2003, 92% avg.; 55% setting bolls, 44% 2003, 57% avg.; 2% very poor, 6% poor, 21% fair, 52% good, 19% excellent. Rice 19% heading, 20% 2003, 14% avg.; 1% poor, 12% fair, 70% good, 17% excellent. Sorghum 80% heading, 68% 2003, 69% avg.; 14% turning color, 7% 2003, 10% avg.; 1% poor, 21% fair, 69% good, 9% excellent. Soybeans 89% blooming, 77% 2003, 74% avg.; 76% setting pods, 54% 2003, 49% avg.; 5% poor, 19% fair, 52% good, 24% excellent. Wheat 97% harvested, 100% 2003, 100% avg. Hay 36% harvested (Warm Season), 56% 2003, 56% avg.; 15% very poor, 9% poor, 35% fair, 30% good, 11% excellent. Sweetpotatoes 90% planted, 91% 2003, 96% avg.; 2% very poor, 7% poor, 30% fair, 52% good, 9% excellent. Watermelons 55% harvested, 64% 2003, 49% avg.; 1% poor, 18% fair, 70% good, 11% excellent. Cattle 2% poor, 25% fair, 53% good, 20% excellent. Pasture 7% poor, 23% fair, 58% good, 12% excellent. A lapse in rain showers during the weekend allowed producers in drier areas to resume fieldwork. While row crop farmers made an effort to catch up on insecticide, fungicide applications, others worked on cutting hay. All in all, State needs several more days of dry weather to allow both farmers and the crops to recover.

MISSOURI: Days suitable for fieldwork 4.0. Topsoil 1% very short, 8% short, 73% adequate, 18% surplus. Weather conditions continued favorable for row crop growth, development across the State except for crops in low fields that were again temporarily flooded in a few northern counties, the extreme southwest. The southwest district is the wettest area, with 55% rated as surplus moisture, followed by the north-central district with 46% surplus. Corn silking ranges by area from 74% in the west-central district to over 90% in the southeast, south-central districts. Soybeans blooming range from 2% in the southwest district to 43% in the north-central district, 54% in the west-central. Wheat harvesting varies from 93% in the west-central district, 95% southwest to only minor amounts or none in other districts. Alfalfa hay 2nd cutting 74%, 81% 2003, 71% avg. ; 3rd cutting 5%, 4% 2003, 3% avg. Other hay cut 84%, 94% 2003, 87% avg. Pastures 3% very poor, 7% poor, 25% fair, 53% good, 12% excellent, the best in over 10 years for this date. Rainfall averaged 1.12 inches, ranging by area from less than 0.50 inch in the east-central district to between 1.50 and 2.00 inches across the northern third of the State.

MONTANA: Days suitable for fieldwork 5.4. Topsoil 8% very short, 29% short, 59% adequate, 4% surplus compared to 2003 26% very short, 40% short, 34% adequate, no surplus. Subsoil 27% very short, 33% short, 40% adequate, no surplus compared to 2003 28% very short, 40% short, 32% adequate, no surplus. Winter wheat condition 4% very poor, 7% poor, 22% fair, 60% good, 7% excellent; 99% headed progress, 42% turning color, compared to 98% 2003, 80%, respectively. Spring wheat 85% boot stage, 91% for 2003, 86% 5-yr avg, 62% headed, 65% 2003, 62% 5-yr avg.; condition 3% very poor, 5% poor, 25% fair, 61% good, 6% excellent. Durum wheat 49% boot stage well behind last year's 84%, which is due to some late planting resulting from rainy weather. Durum wheat condition 3% very poor, 13% poor, 30% fair, 38% good, 16% excellent. Barley 94% boot stage, 88% 2003, 85% 5-yr avg.; 70% headed, 69% 2003. Barley condition 1% very poor, 4% poor, 26% fair, 57% good, 12% excellent. Oats 80% boot stage, 43% headed, 88% 2003, 62%, respectively. Oat condition 10% very poor, 10% poor, 29% fair, 45% good, 6% excellent. Sugar beet condition 9% very poor, 19% poor, 31% fair, 34% good, 7% excellent. Corn condition 6% very poor, 21% poor, 47% fair, 25% good, 1% excellent; 2% poor, 25% fair, 58% good, d 15% excellent. Dry bean condition 1% very poor, 11% poor, 44% fair, 42% good, 2% excellent; 3% poor, 25% fair, 67% good, 5% excellent. Potatoes condition 0% very poor, 2% poor, 8% fair, 50% good, 40% excellent. Alfalfa, other hay 1st cuttings 63%, 46% complete, respectively, which is well behind 2003 84% and 65%. Range, pasture feed 18% very poor, 21% poor, 31% fair, 25% good, 5% excellent. Sheep, lambs 98% moved to summer ranges compared to 100% for 2003, the five-year average.

NEBRASKA: Days suitable for fieldwork 3.3. Topsoil 9% very short, 16% short, 69% adequate, 6% surplus. Subsoil 31% very short, 27% short, 41% adequate, 1% surplus. Temperatures averaged from 2 to 8° below normals for the week. Precipitation was statewide with amounts ranging to over four inches in areas of the southwest. Wheat ripe 77%, 68% 2003, 74% avg. Alfalfa condition 5% very poor, 15% poor, 21% fair, 44% good, 15% excellent; 2nd cutting 48%, 50% 2003, 56% avg. Activities: Wheat harvest and hay harvest.

NEVADA: Only a few afternoon thundershowers passed through the State, leaving only traces of precipitation at a few northern weather stations. Temperatures averaged much above normal west, few degrees below normal east-central. The second cutting of alfalfa was advancing in the north. Some growers in the Fallon area were allowing alfalfa to mature further into bloom for higher yields. Lack of irrigation water in Lovelock was reducing yields. Meadow hay harvest was advancing. Turning of winter wheat advanced with fields in good to excellent condition except in Lovelock where they rated mostly fair. Rye was being harvested in Fallon. Corn was growing rapidly. Potato bloom increased, fields

were in excellent condition. Mature Mormon crickets, grasshoppers continued migrating, damaging some northern ranges. Abatement continued. Herbicides were being applied to noxious weeds. Some livestock movement was undertaken to manage ranges. Activities: Haying, cultivating, field spraying, irrigating.

NEW ENGLAND: Days suitable for field work 5.3. Topsoil 4% very short, 14% short, 77% adequate, 5% surplus. Subsoil 3% very short, 20% short, 74% adequate, 3% surplus. Pasture feed 1% very poor, 6% poor, 19% fair, 60% good, 14% excellent. Maine Potatoes: condition good/excellent. Rhode Island Potatoes: condition good/excellent. Massachusetts Potatoes: condition good. Maine Oats: condition good/excellent. Maine Barley: condition good/excellent. Field corn 99% emerged, 90% 2003, 95% avg.; condition good/fair. Sweet corn 100% planted, 99% 2003, 99% avg.; 99% emerged, 95% 2003, 95% avg.; condition good/excellent. Shade tobacco 5% harvested; condition good. Broadleaf tobacco: condition good/fair. Hay 1st harvested 85%, 80% 2003, 85% avg.; condition good/fair, 2nd harvested 15%, 10% 2003, 20% avg.; condition good. Apples: size avg.; condition good/fair. Peaches: size avg.; condition fair/good. Pears: size avg.; condition poor in Massachusetts, good/fair elsewhere. Strawberries 90% harvested, 85% 2003, 85% avg. Massachusetts Cranberries: Petal Fall/Full Bloom stage; set avg.; condition good/fair. Highbush Blueberries: size avg.; condition fair/good. Maine Wild Blueberries: size avg./below avg.; condition fair/poor. Rain in the northern states limited days suitable for fieldwork, but improve crop conditions. Some local areas had too much rain, causing stress to the crops. Farmers were struggling to harvest good quality hay, although alfalfa stands were of good quality. Dry weather continues in the southern States allowing farmers to get into their field most days, but crop conditions declined. Activities Included: Cutting haylage, making dry hay; harvesting strawberries; spreading manure; mowing; cultivating; hilling potatoes; irrigating; top-dressing, side-dressing fields with fertilizer; monitoring fields; applying herbicides, insecticides, and fungicides.

NEW JERSEY: Days suitable for field work 6.6. Soil 85% short, 15% adequate. There were measurable amounts of rainfall during the week across most of the state, but most weather stations reported rainfall of under a half inch. Temperatures across the state were above normal during the week. Farmers were busy planting soybeans, top dressing corn, harvesting, spraying, baling straw, cutting hay. Many fields were irrigated to compensate for the lack of rainfall. Wheat harvest was 90% complete in central, southern districts. Most corn fields were heat stressed with leaves rolling up in response to dry weather. Second hay cutting growth was stunted the heat, absence of rainfall. Pumpkin, potato vine growth were vigorous in response to the warm weather. Blueberry harvested 65% with excellent berry quality reported. Dry weather conditions helped sweeten peaches as harvest of early maturing varieties were underway. Pastures were dry, turning brown due to lack of rainfall.

NEW MEXICO: Days suitable for fieldwork 6.7. Topsoil 22% very short, 37% short, 39% adequate, 2% surplus. Temperatures for the week were within a few degrees of normal at most locations. Afternoon readings hit 100° on several afternoons at some of the lower elevation spots in the south, east. Afternoon, evening thunderstorms favored the eastern plains, bootheel areas, while the northwest remained dry. Greatest totals for the week were in the northeast, where Des Moines (1.71"), Roy (1.50"), and Tucumcari (1.24") all measured over an inch. Farmers were busy irrigating, spraying weeds, harvesting wheat, onions, maintaining other crops, cutting and baling alfalfa. General crop conditions were not affected by wind with only 7% light, 6% moderate damage reported. Alfalfa was reported as mostly fair to good, with the 2nd cutting almost complete at 96%, the 3rd making good progress at 48% , and the 4th getting underway with 5% cut. Cotton 46% fair, 48% good, 5% excellent; 5% setting bolls, 79% squaring. Corn was in mostly fair to good condition with 33% silking, 6% doughing. Sorghum was reported in mostly fair condition, 88% planted. All remaining planting will be dryland. Winter wheat progress is approaching the five year average with 92% of the crop reported harvested. Peanuts were in fair to good condition and 50% were pegging. Pecans were mostly fair to excellent, with nut set still mostly average. Chile conditions were listed as fair to good. Onions were listed as fair to excellent with 74% harvested. Ranchers spent the week maintaining herds, waters, and providing supplemental feeding. Cattle conditions improved slightly with reports indicating 6% very poor, 7% poor, 33% fair, 35% good, 19% excellent. Sheep conditions 9% very poor, 10% poor, 28% fair, 50% good, 3% excellent. Recent moisture has benefitted range, pasture feeds 22% very poor, 20% poor, 35% fair, 22% good, and 1% excellent.

NEW YORK: Days suitable for fieldwork 5.0. Soil 8% short, 85% adequate, 7% surplus. Pasture feeds 3% poor, 24% fair, 56% good, 17% excellent. Winter wheat conditions 5% poor, 20% fair, 50% good, 25% excellent. Oats 2% poor, 12% fair, 60% good, 26% excellent. Hay 12% poor, 27% fair, 42% good, 19% excellent. Corn, soybean planting neared completion. Clover-timothy 85% harvested, 87% 2003. Grass silage 92% complete, 91% 2003. Alfalfa 1st cutting 98% complete, 94% 2003. Dry beans 94% planted, 91% 2003. Apples 8% poor, 23% fair, 45% good, 24% excellent. Grapes 17% poor, 10% fair, 40% good, and 33% excellent. Peaches 22% poor, 8% fair, 37% good, 33% excellent. Pears 2% poor, 13% fair, 55% good, 30% excellent. Sweet cherries 7% poor, 7% fair, 53%

good, 33% excellent. Tart cherries 32% poor, 13% fair, 38% good, 17% excellent. Strawberry season nearing completion. Sweet corn, squash, broccoli, lettuce, beets, onions appeared to be in good condition. No problems reported with livestock or milk production. Activities: Scouting for diseases, insect pests, irrigating fields, and tending livestock.

NORTH CAROLINA: Days suitable for field work 5.8. Soil during the week included spraying for disease in tobacco, corn. Nematodes are starting to show up in some soybean, cotton fields in the southeastern part of the State. Activities: Cutting hay, harvesting small grains, peaches, Irish potatoes. Most of the State experienced temperatures in the upper 90s this week stressing crops, livestock. Thunderstorms once again supplied scattered precipitation for the week along with some wind damage.

NORTH DAKOTA: Days suitable for fieldwork 4.9. Topsoil 4% very short, 11% short, 70% adequate, 15% surplus. Subsoil 13% very short, 15% short, 55% adequate, 17% surplus. Rains were welcomed in dry areas of the state last week, but wet conditions continued in the northern, eastern areas. Thunderstorms last week produced hail, small grain lodging. Barley 85% boot stage or beyond, 91% 2003, 84% avg.; 19% milk stage or beyond, 43% 2003, 30% average. Durum wheat 57% boot stage or beyond, 68% 2003, 63% avg.; 36% headed or beyond, 47% 2003, 37% avg.; 6% milk stage or beyond, 18% 2003, 11% avg. Hard red spring wheat 84% boot stage or beyond, 88% 2003, 84% avg.; 21% milk stage or beyond, 38% 2003, 28% avg. Oats 88% boot stage or beyond, 92% 2003, 84% avg.; 25% milk stage and beyond, 40% 2003, 32% avg. Canola 75% blooming or beyond, 85% 2003, 84% avg.; 1% turning or beyond, 4% 2003, 3% avg. Dry Edible Beans 4% blooming or beyond, 19% 2003, 17% avg. Flaxseed 41% blooming or beyond, 58% 2003, 49% avg. Potatoes 38% blooming or beyond, 64% 2003, 43% avg. Sunflower 0% blooming or beyond, 1% 2003, 1% avg. Canola conditions 1% very poor, 6% poor, 29% fair, 48% good, 16% excellent. Durum wheat 2% very poor, 6% poor, 24% fair, 54% good, 14% excellent. Dry edible beans 1% very poor, 6% poor, 43% fair, 46% good, 4% excellent. Flax 0% very poor, 3% poor, 29% fair, 59% good, 9% excellent. Potatoes 1% very poor, 4% poor, 36% fair, 52% good, 7% excellent. Sugarbeets 1% very poor, 3% poor, 31% fair, 57% good, 8% excellent; Sunflower 1% very poor, 6% poor, 33% fair, 55% good, 5% excellent. Hay 17% very poor, 12% poor, 29% fair, 34% good, 8% excellent. Broadleaf, wild oats spraying 97% and 99% complete respectively. Alfalfa 1st cutting 80% complete, 44% of all other hay had been baled. Stockwater supplies 6% very short, 16% short, 72% adequate, 6% surplus. Range, pasture feeds 14% very poor, 14% poor, 26% fair, 39% good, 7% excellent.

OHIO: Days suitable 6.2 for field work days. Topsoil moisture 2% very short, 22% short, 71% adequate, 5% surplus. Alfalfa hay 1st cutting complete 99%, 100% 2003, 99% avg. Alfalfa hay 2nd cutting complete 31%, 21% 2003, 43% avg. Apples harvested (summer) 28%, 10% 2003, 10% avg. Corn silked 28%, 4% 2003, 8% avg. Cucumber planted 85%, 87 % 2003, 97% avg. Peaches harvested 17%, 3% 2003, 4% avg. Oats headed 96%, 99% 2003, 98% avg. Oats ripe 14%, 11% 2003, 26% avg. Oats harvested 2%, 1% 2003, 4% avg. Other hay 1st cutting complete 95%, 90% 2003, 96% avg. Other hay 2nd cutting complete 14%, 8% 2003, 24% avg. Soybeans emerged 99%, 100% 2003, 100% avg. Soybeans blooming 35%, 19% 2003, 35% avg. Winter Wheat ripe 100%, 74% 2003, 91% avg. Winter Wheat harvested 77%, 10% 2003, 56% avg. Corn conditions 3% very poor, 10% poor, 25% fair, 45% good, 17% excellent. Hay conditions 5% very poor, 19% poor, 29% fair, 37% good, 10% excellent. Oats conditions 1% very poor, 15% poor, 32% fair, 43% good, 9% excellent. Pasture conditions 2% very poor, 7% poor, 28% fair, 49% good, 14% excellent. Soybean conditions 4% very poor, 12% poor, 30% fair, 41% good, 13% excellent. Winter wheat conditions 1% very poor, 7% poor, 31% fair, 49% good, 12% excellent. This past week favorable weather conditions have allowed farmers the opportunity to harvest wheat and bale hay. Mowing roadside weeds along with herbicide spraying on corn and beans also were part of the week's activities. Miami county has finished their wheat harvest while Crawford county is near completion. In Geauga and Auglaize counties, minimal wheat scab was reported. The first cuttings of hay in many of the counties are close to completion. Scioto and Athens counties started on their second cuttings of hay. Previous wet weather conditions in some corn fields of Fulton and Ashtabula counties have caused a variation in the crop growth. Apples and peaches were rated in good condition for Wayne county. Winter wheat was rated at 61 percent good to excellent condition compared to 53 percent the previous week. There were a few signs of heat stress among the livestock in Monroe county.

OKLAHOMA: Days suitable for fieldwork 3.8 Topsoil 2% very short, 5% short, 79% adequate, 14% surplus. Subsoil 4% very short, 15% short, 73% adequate, 8% surplus. Wheat 63% plowed, 51% last week, 72% 2003, 70% avg. Oats 90% harvested, 87% last week, 92% 2003, 93% avg.; 65% plowed, 47% last week, 59% 2003, 60% avg. Rye 96% harvested, 89% last week, 63% plowed, 48% last week. Corn 1% poor, 11% fair, 65% good, 23 excellent; 60% silking, 48% last week, 41% 2003, 48% avg.; 35% dough, 25% last week, 21% 2003, 21% avg. Sorghum 97% emerged, 91% last week, 94% 2003, 91% avg. Soybeans 1% poor, 24% fair, 61%

good, 14% excellent; 93% planted, 92% last week, 96% 2003, 92% avg.; 91% emerged, 87% last week, 91% 2003, 84% avg.; 26% blooming, 22% last week, 21% 2003, 25% avg.; 10% setting pods, 7% last week, 3% 2003, 5% avg. Peanuts 14% setting pods, 7% last week, 12% last year, 11% avg. Alfalfa Hay 3% poor, 18% fair, 62% good, 17% excellent; 97% 2nd cutting, 94% last week, 98% 2003, 93% avg.; 37% 3rd cutting, 20% last week, 44% 2003, 34% avg. Other Hay 2% very poor, 3% poor, 28% fair, 54% good, 13% excellent; 85% first cutting, 83% last week, 87% 2003, 85% avg.; 20% 2nd cutting, 11% last week, 21% 2003, 21% avg. Watermelons 86% setting fruit, 76% last week, 85% 2003, 83% avg.; 20% harvested, 8% last week, 10% 2003, 16% avg. Livestock 1% poor, 15% fair, 59% good, 25% excellent. Pasture, Range 3% poor, 23% fair, 51% good, 23% excellent. Livestock conditions 25% excellent, 59% good, 15% fair, 1% poor. Livestock insect activity was mostly moderate to light. The price for feeder steers, heifers climbed even higher this week with a \$5.02 increase. Feeder steers less than 800 pounds averaged \$122.85 per cwt. The price for feeder heifers less than 800 pounds also increased significantly to \$115.23, a \$3.30 increase.

OREGON: Days suitable for fieldwork: 6.9. Topsoil 7% very short, 39% short, 54% adequate. Subsoil 8% very short, 39% short, 52% adequate, 1% surplus. Barley 99% headed, 93% previous week, 92% 2003, 98% 5-yr avg.; condition 3% poor, 26% fair, 63% good, 8% excellent. Winter wheat 4% harvested, 5% 2003, 5% 5-yr avg.; condition 4% poor, 24% fair, 64% good, 8% excellent. Range, Pasture 1% very poor, 9% poor, 36% fair, 48% good, 6% excellent. Activities: Weather conditions in Eastern State were hot, dry, with some mild winds, no measurable rainfall reported. Warm conditions ideal for fieldwork, haying. A regulated fire closure went into effect in southern parts of Harney County. In Western State, Clackamas County reported cool, cloudy conditions, with some spotty rain showers. Conditions in Southwest State generally warm, windy. According to the National Drought Mitigation Center, drought conditions in the state generally rated as slightly dry. Sherman, Umatilla, Wasco counties reported starting wheat harvest. Grain crops ripening fast. Haying continued. Grass seed in harvest. In Marion County, second cutting of alfalfa complete, tall fescue combining continued, perennial ryegrass swathing began. Marion, Yamhill counties completing crimson clover seed harvest. Yamhill County grass seed continued to be harvested, with annual ryegrass completed, orchardgrass almost completed. Tall fescue swathed, harvested. Gilliam County started harvest of fall barley in some locations. Klamath County continued second cutting of hay, with barley hay also being cut. Malheur County had a few selected early grain fields harvested, though most fields will not be ready until July 25 or later, when the wheat harvest should begin on sandier ground. Tomatoes setting fruits well. Sweet corn silking in Jackson County. Roadside stands had lettuce, radishes, garlic, onions, string beans for sale. Truck gardens monitoring growth, irrigating. Summer squash available in Josephine County. Peas almost done producing due to heat. Potatoes beginning to bloom in Klamath County. Sweet cherry harvest peaked, was winding down in Wasco County, the southern Willamette Valley. Cherry harvest continued in Hood River County, the northern Willamette Valley. Raspberries, blackberries, blueberries continued to be picked throughout Western State. Apples, pears sized on what looked to be a heavy crop. Early peaches near ready in southwestern part of state. Hazelnuts continued to fill out; some growers applied filbertworm control sprays. Nurseries, greenhouses watering, feeding, repotting plants, performing other plant maintenance for summer operations. Pastures in Western State continued to dry down quickly, show signs of stress from lack of precipitation. Pasture irrigation continued in full swing, livestock in these areas reported in excellent condition. Dryland pastures in some areas reported about used up. Lower elevation rangeland in Eastern State reported very dry, whereas higher elevation rangeland reported in better condition. Livestock reported in good condition with producers hauling water in drier areas.

PENNSYLVANIA: Days suitable for field work 5.0. Soil 3% very short, 26% short, 63% adequate, 8% surplus. Corn 23% silk, 0% 2003, 8% avg.; height 62 inches, 30 inches 2003, 40 inches avg.; condition 1% very poor, 5% poor, 18% fair, 33% good, 43% excellent. Barley 90% harvested, 81% 2003, 87% avg. Winter wheat 90% ripe, 37% 2003, 71% avg.; 49% harvested, 5% 2003, 35% avg.; condition 1% very poor, 13% poor, 29% fair, 46% good, 11% excellent. Oats 92% heading, 87% 2003, 92% avg.; 32% turning yellow, 14% 2003, 43% avg.; condition 4% very poor, 8% poor, 25% fair, 52% good, 11% excellent. Soybean crop condition 1% very poor, 2% poor, 15% fair, 63% good, 19% excellent. Alfalfa 1st cutting 98% complete, 92% 2003, 96% avg.; 2nd cutting 57% complete, 25% 2003, 50% avg.; condition 2% very poor, 6% poor, 22% fair, 52% good, 18% excellent. Timothy clover 1st cutting 88% complete, 73% 2003, 84% avg.; 2nd cutting 7% complete, 3% 2003, 13% avg.; condition 1% very poor, 5% poor, 31% fair, 50% good, 13% excellent. Peach crop condition 9% fair, 44% good, 47% excellent; 16% harvested, 4% 2003, 5% avg. Apple crop condition 8% poor, 26% fair, 65% good, 1% excellent; 5% harvested complete, 0% 2003, 1% avg. Quality of hay made 9% very poor, 9% poor, 35% fair, 39% good, 8% excellent. Pasture feeds 4% very poor, 8% poor, 24% fair, 57% good, 7% excellent. Activities: Cutting 2nd hay crop; spreading fertilizer; spreading manure; applying herbicides, pesticides; harvesting barley; repairing fences, machinery; and baling straw.

SOUTH CAROLINA: Days suitable for field work 5.4. Soil 2% very short, 19% short, 73% adequate, 6% surplus. Corn 98% silked, 93% 2003, 96% avg.;

60% doughed, 51% 2003, 56% avg.; 3% matured, 3% 2003, 16% avg.; 4% very poor, 8% poor, 29% fair, 49% good, 10% excellent. Peanuts 60% pegged, 49% 2003, 52% avg.; 1% poor, 35% fair, 53% good, 11% excellent. Sorghum 75% headed, 62% 2003, 59% avg.; 30% turned color, 23% 2003, 22% avg.; 36% fair, 64% good. Cotton 79% squared, 56% 2003, 68% avg.; 18% setting bolls, 4% 2003, 15% avg.; 2% poor, 23% fair, 70% good 5% excellent. Winter Wheat 99% harvested, 98% 2003, 99% avg. Barley 99% ripe, 100% 2003, 100% avg.; 96% harvested, 97% 2003, 99% avg. Pastures 1% very poor, 10% poor, 39% fair, 46% good, 4% excellent. Rye 100% ripe, 100% 2003, 100% avg.; 98% harvested, 93% 2003, 98% avg. Oats 100% ripe, 100% 2003, 100% avg.; 99% harvested, 97% 2003, 99% avg. Soybeans 99% emerged, 97% 2003, 96% avg.; 20% bloomed, 9% 2003, 16% avg. 3% setting pods, 2% 2003, 5% avg.; 1% very poor, 3% poor, 23% fair, 61% good, 12% excellent. Tobacco 85% topped, 79% 2003, 80% avg. 10% harvested, 10% 2003, 9% avg.; 7% poor, 18% fair, 57% good, 18% excellent. Other hay 53% harvested, 49% 2003, 60% avg.; 1% very poor, 9% poor, 32% fair, 52% good, 6% excellent. Peaches 42% harvested, 39% 2003, 50% avg.; 4% very poor, 2% poor, 13% fair, 35% good, 46% excellent. Apples 60% fair, 40% good. Snapbeans 95% harvested, 94% 2003, 87% avg. Cucumbers 100% harvested, 97% 2003, 99% avg. Watermelons 76% harvested, 63% 2003, 74% avg.; 6% poor, 77% fair, 17% good. Tomatoes 86% harvested, 88% 2003, 85% avg.; 24% fair, 75% good, 1% excellent. Cantaloups 84% harvested, 76% 2003, 79% avg.; 17% poor, 72% fair, 11% good. Livestock 1% poor, 25% fair, 70% good, 4% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 5.1. Topsoil 5% very short, 18% short, 73% adequate, 4% surplus. Subsoil 15% very short, 23% short, 59% adequate, 3% surplus. Feed supplies 13% very short, 18% short, 66% adequate, 3% surplus. Stock water supplies 18% very short, 25% short, 54% adequate, 3% surplus. Winter wheat 92% turning color, 93% 2003, 89% avg.; 12% ripe 39% 2003, 39% avg. Barley 22% turning color, 39% 2003, 35% avg.; 0% ripe, 1% 2003, 4% avg. Oats 26% turning color, 35% 2003, 40% avg.; 1% ripe, 4% 2003, 11% avg. Spring wheat 29% turning color, 43% 2003, 41% avg.; 0% ripe, 1% 2003, 6% avg. Sunflower 4% very poor, 5% poor, 32% fair, 51% good, 8% excellent. Average corn height 39", 43" 2003, 41" avg. Corn cultivated or sprayed twice 82%, 73% 2003, 62% avg. Corn tasseled 1%, NA% 2003, NA% avg. Sunflower blooming 0%, 2% 2003, 1% avg. Cattle condition 4% poor, 16% fair, 65% good, 15% excellent. Sheep condition 13% poor, 10% fair, 63% good, 14% excellent. Range, Pasture 12% very poor, 17% poor, 30% fair, 33% good, 8% excellent. Alfalfa hay 11% very poor, 12% poor, 24% fair, 41% good, 12% excellent. Alfalfa hay 1st cutting harvested 85%, 99% 2003, 95% avg.; 2nd cutting harvested 21%, 28% 2003, 27% avg. Other hay harvested 48%, 69% 2003, 58% avg. Small grain, row crop progress remains behind last year, the five-year average following another week of below normal temperatures. Rain fell statewide, but accumulations varied significantly both across the state, within regions. Producers look forward to much warmer conditions this week as work begins on the second cutting of alfalfa and the winter wheat harvest.

TENNESSEE: Days suitable for fieldwork 4.0. Topsoil 1% short, 71% adequate, 28% surplus. Subsoil 1% short, 79% adequate, 20% surplus. Tobacco 2% very poor, 5% poor, 24% fair, 55% good, 14% excellent. Alfalfa hay 2nd cutting 54%, 74% 2003, 72% avg. Pastures 2% poor, 10% fair, 66% good, 22% excellent. For the fourth week in a row, scattered rain showers were the story for the Volunteer State. The persistent rainfall continues to be a favorable sign, but has hampered the ability of producers to complete some much needed spraying, harvesting. All of the State's major crops were developing at a pace close to or slightly ahead of last year, the five-year average. The second cutting of alfalfa was lagging a week behind the normal pace. Some pinkeye problems were reported in cattle herds. Tobacco topping began on a very limited basis, some isolated tobacco fields were damaged by strong storms, flooding. Disease pressure is moderate to severe in a few areas.

TEXAS: Agricultural Summary: Field work picked up as drier conditions resumed throughout the state. Minimal moisture was received in Eastern areas, some portions of the Panhandle. Areas seeing rainfall received trace to less than 2 inches. Stock pond levels were at decent levels after the rains, although levels in some drier areas remained low. Repairs to fences, roads were underway as dry weather allowed farming, ranching activities to resume. Sunflower, corn, sorghum harvest continued in the Plains, North Central areas, wheat, oat harvest continued over Northern areas. Small Grains: In the Plains, North Central areas. Wheat harvest continued, was expected to conclude by later in the week. Oat harvest continued in the Plains, North Central areas. Corn: Corn was in good to excellent condition across the state. In the Plains, stages varied from tasseling to late silking to blistering. Tasseling was reported in the Trans Pecos area. Cross Timbers silage harvest was underway. Corn was maturing rapidly with drier conditions across East State, Coastal Bend, South State regions. Harvest was underway in the Lower Valley, was approaching in the Blacklands. Corn condition 95% normal, 62% 2003. Cotton: Cotton continued to progress across the state. Some cotton was being replanted after previous hail damage. Conditions in the Plains varied from fair to excellent. Nitrogen application, irrigation continued. Insect pressure increased. Southern Low Plains cotton was between the 3-4 leaf stages, early to mid-squaring. Boll Weevil pressure was reported heavy in certain

areas of the Blacklands. South State was spraying for Boll Weevil, also. Heavy irrigation was in progress in the Trans-Pecos. Edwards Plateau cotton was receiving growth regulator applications to slow growth, set bolls as growth had taken off with recent moisture. Coastal Bend harvest was expected to be later than usual. Cotton condition 74% normal, 61% 2003. Sorghum: Sorghum progressed quickly in the Plains although the moisture allowed for weeds to become a problem. Some replanting of sorghum was occurring behind failed cotton. Blackland sorghum saw some insect problems including midge. Harvest was in full swing across the South Central, Coastal Bend, and Upper Coast regions. Harvest was about to begin in South State as well. Harvest in the Blacklands was expected to begin within the next few weeks. Sorghum condition 84% normal, 71% 2003. Peanuts: Peanuts in the Cross Timbers region looked excellent. In South State, wet, saturated conditions delayed planting of some fields. Some fields were at a pegging stage. Peanut condition 85% normal, 88% 2003. Rice: Rice was in good to excellent condition from recent moisture. Producers sprayed for disease in some areas. Rice condition 88% normal, 88% 2003. Commercial Vegetables, Fruit, Pecans In the San Antonio-Winter Garden, Cantaloupe, Melon harvest was ongoing while Potato harvest came to an end. In the High Plains, Pumpkins were looking good, making good progress. Producers were spraying fungicides. Peaches were being harvested. In the Trans-Pecos, Wine Grape harvest was approaching while growers worried about mildew from the recent moisture. Melon harvest was underway. Some cantaloupes were hailed out. In East State, Melon harvest was progressing well with good yields. Fruit, Vegetable crops suffered from the moisture. Pecans: Recent rains canceled the need for first round irrigation on the Edwards Plateau. South State pecan trees had good nut development. Range, Livestock: Livestock were in good to excellent condition, aided by good growth of range, pastures. Haying continued in several areas, pastures continued to improve from recent moisture. Minimal supplemental feeding continued in very few areas. Horn flies continued to cause problems, in some areas, pasture grass diseases reported with concern of causing illness in livestock.

UTAH: Days suitable for field work 7. Subsoil 12% very short, 43% short, 45% adequate, 0% surplus. Irrigation Water Supplies 22% very short, 44% short, 34% adequate, 0% surplus. Winter wheat 3% harvested, 10% 2003, 6% avg.; condition 1% very poor, 16% poor, 27% fair, 46% good, 10% excellent. Spring wheat 98% headed, 98% 2003, 94% avg.; 1% harvested, 8% 2003, 2% avg.; 0% very poor, 9% poor, 27% fair, 48% good, 16% excellent. Barley 97% headed, 99% 2003, 95% avg.; harvested (grain) 3%, 2% 2003, 2% avg.; condition 0% very poor, 3% poor, 20% fair, 60% good, 17% excellent. Oats 81% headed, 80% 2003, 74% avg.; 59% harvested for Hay or Silage, 59% 2003, 50% avg. Corn condition 0% very poor, 1% poor, 16% fair, 70% good, 13% excellent; height 38 inches, 37 inches 2003, 35 inches avg. Alfalfa hay 1st cutting 100%, 99% 2003, 100% avg.; 2nd cutting 43%, 27% 2003, 28% avg. Other hay cut 76%, 71% 2003, 67% avg. Cattle, calves condition 0% very poor, 1% poor, 15% fair, 74% good, 10% excellent. Sheep Condition 0% very poor, 1% poor, 12% fair, 81% good, 6% excellent. Stock Water Supplies 10% very short, 35% short, 54% adequate, 1% surplus. Apricots 31% harvested, 86% 2003, 55% avg. Sweet Cherries 93% harvested, 84% 2003, 82% avg. Tart Cherries 20% harvested, 11% 2003, 18% avg. Warmer weather last week provided farmers with 7 days suitable for field work. Although San Juan County received much needed rain, other areas of the state experienced dry conditions along with high temperatures. Farmers in some parts of the state were making difficult decisions about how to use their limited irrigation supplies. Crops with adequate irrigation were doing very well. Crops, pasture which had been neglected due to irrigation supply shortages were suffering. Alfalfa hay second cutting continued. Cache County reported excellent-quality alfalfa hay. Apricot, sweet cherry, tart cherry harvest continued. Farmers were carefully watching as grain started to turn. Grain farmers anticipated harvest to begin within the next three weeks. Sheep, Cattle were in good condition. Although high temperatures, scarce moisture began to dry out rangeland in sections of the state, rangeland conditions were still reported to be in good to fair condition. Box Elder County reported that rangeland conditions were better than they have been in 6 years.

VIRGINIA: Days suitable for fieldwork 5.2. Topsoil 8% short, 77% adequate, 15% surplus. Subsoil 7% short, 83% adequate, 10% surplus. Scattered showers drifted across the state this week. The average accumulative rainfall was just above 2 inches. However, some areas experienced heavy isolated rain showers with accumulative rainfall exceeding 6 inches. The average temperatures for the State increased slightly, from 73° to 77°. Most of the state's crops continue to progress well. Corn for grain has thrived under the current weather conditions. Soybeans, cotton are ahead of schedule due to the ideal weather conditions, however, rain has delayed timely applications of herbicide, insecticide. The peanut crop has experienced some disease trouble related to excessive vine growth. Activities: Harvesting 1st and 2nd hay cuttings, irrigating selected tobacco crops, completing the winter wheat harvest, and selling vegetables.

WASHINGTON: Days suitable for fieldwork was 6.9. Topsoil 6% very short, 22% short, 72% adequate. Subsoil 5% very short, 26% short, 69% adequate.

Irrigation water supply 1% short, 99% adequate. The highest temperature in the state was 93° in Pasco. The lowest temperature in the state was 36° in Deer Park, Republic. Winter wheat condition 2% very poor, 4% poor, 23% fair, 56% good, 15% excellent. Spring wheat condition 2% very poor, 3% poor, 28% fair, 58% good, 9% excellent; 99% headed. Barley conditions 2% very poor, 2% poor, 31% fair, 53% good, 12% excellent; 99% headed. Winter wheat harvest started in some eastern counties. However, most counties reported making final preparation for harvest while waiting for winter wheat to finish turning color. Bluegrass seed swathing neared completion, a few combines started harvesting at the end of the week. Christmas tree growers were shearing Grand fir, Norway spruce, tying tops on Noble, Shasta fir. Potato conditions 7% fair, 87% good, 6% excellent; 8% harvested. Corn conditions 2% fair, 97% good, 1% excellent. Dry edible bean conditions 7% fair, 92% good, 1% excellent. Processing green peas 78% harvested. Alfalfa hay 1st cutting 98% complete, 2nd cutting 67% complete. Hay, other roughage supplies 2% very short, 3% short, 94% adequate, 1% excellent. Range, pasture feeds 15% very poor, 14% poor, 27% fair, 44% good. Oyster growers continued Spartina, burrowing control operations during low tide series. Green chopping continued. Some early peaches were harvested. Raspberry, blueberry, apricots, peas continued to be harvested around the state.

WEST VIRGINIA: Days suitable for field work 5.0. Topsoil 13% short, 75% adequate, 12% surplus compared to 2003 67% adequate, 33% surplus. Corn conditions 1% very poor, 3% poor, 17% fair, 61% good, 18% excellent; 32% silked, 2% 2003, 9% 5-yr. avg. Oats conditions 2% poor, 26% fair, 68% good, 4% excellent; 93% headed, 77% 2003, 83% 5-yr avg. Soybeans conditions 2% poor, 7% fair, 68% good and 23% excellent; 19% blooming, 2% 2003, 9% 5-yr. avg.; 3% setting pods. Tobacco conditions 28% fair, 72% good; 7% poor, 51% fair, 40% good, 2% excellent. Winter wheat 56% harvested for grain, 38% 2003, 56% 5 yr. avg. Hay conditions 5% poor, 36% fair, 46% good, 13% excellent; 1st cutting was 84% complete, 70% 2003, 87% 5-yr avg.; 2nd cutting was 10% complete, 1% 2003, 17% 5-yr avg. Apples 18% fair, 81% good, 1% excellent. Peaches 16% fair, 82% good, 2% excellent. Cattle, calves 2% poor, 16% fair, 75% good, 7% excellent. Sheep, lambs 1% poor, 9% fair, 81% good, 9% excellent. Hay making, wheat harvesting, vegetable harvesting and marketing.

WISCONSIN: Days suitable for fieldwork 4.2. Soil 1% very short, 6% short, 76% adequate, 17% surplus. Cool, wet weather has slowed crop development in many areas of the state. Temperatures this past week were 5 to 8° below normal. Precipitation ranged from trace amounts to around 2 inches. Year-to-date precipitation is above normal in most areas of the state. Most crops could still benefit from warmer weather, lots of sunshine. Most of the first cutting hay has been harvested, and second crop alfalfa looking better, with good yields. Oat quality is reported as "all over the board." In some areas of the state, oats look very good, in other areas, oats are struggling. Some oats have started to turn color. Corn is improving, but needs more heat. In some areas, corn is uneven, shows a lack of Nitrogen; in other areas, the corn looks good. Some farmers have started to side dress. Soybeans are looking much better this week, but some good, old summertime weather is needed. Weeds have become a problem in many areas of the state.

WYOMING: Days suitable for field work 6.7. Topsoil 22% very short, 38% short, 40% adequate. Subsoil 37% very short, 39% short, 24% adequate. Barley 82% headed, 81% 2003, 75% 5-yr avg.; 29% turning color, 32% 2003, 27% 5-yr avg.; 7% mature, 2% 2003, 3% 5-yr avg.; condition 7% very poor, 9% poor, 19% fair, 65% good. Oats 57% headed, 52% 2003, 49% 5-yr avg.; 20% turning color, 11% 2003, 8% 5-yr avg.; 14% mature, 2003 2%, 1% 5-yr avg.; condition 11% very poor, 18% poor, 30% fair, 40% good, 1% excellent. Spring wheat 72% headed, 33% 2003, 54% 5-yr avg.; 39% turning color, 9% 2003, 11% 5-yr avg.; 34%3 mature, 3% 2003, 2% 5-yr avg.; condition 41% very poor, 29% poor, 15% fair, 15% good. Winter wheat 98% turning color, 77% 2003, 90% 5-yr avg.; 30% mature, 23% 2003, 36% 5-yr avg.; 5% harvested, 1% 2003, 12% 5-yr avg. condition 13% very poor, 29% poor, 48% fair, 10% good. Corn average height 26 inches, 2003 33 inches, 5-year average 31 inches. condition 1% very poor, 8% poor, 35% fair, 54% good, 2% excellent. Dry beans in bloom 10%, 16% 2003, 16% 5-yr avg.; condition 2% very poor, 3% poor, 18% fair, 77% good. Condition of sugarbeets 3% very poor, 7% poor, 24% fair, 64% good, 2% excellent. Alfalfa 1st cutting 68%, 79% 2003, 78% 5-yr avg. Other hay 22% harvested, 32% 2003, 32% 5-yr avg. Range, pasture feed 33% very poor, 25% poor, 28% fair, 11% good, 3% excellent. Stock water supplies 31% very short, 37% short, 32% adequate. Temperatures were mostly below normal. Temperatures ranged from 5.5° below normal in Sundance, Newcastle to 2.0° above normal in Jackson. The highest temperature was 96° in Torrington, while the lowest temperature was 36° in Big Piney. Temperatures warmed considerably over the weekend. Almost all stations reported precipitation but most were below normal except in the Northeast. The most precipitation fell in Newcastle with 0.98 inch, Sundance with 0.72 inch, and Kaycee, Sheridan with 0.70 inch.